



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

JOY SAWYER BLOOM ET. AL.

CASE NO.: AD6950USNA

APPLICATION NO.: 10/758716

CONFIRMATION NO.: 6558

GROUP ART UNIT: 1722

EXAMINER: UNKNOWN

FILED: JANUARY 16, 2004

FOR: MOLDINGS OF LIQUID CRYSTALLINE POLYMER POWDERS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants would like to bring to the attention of the U.S. Patent and Trademark Office information that may be helpful in the examination of the above-identified patent application. All of the information is listed on the enclosed PTO/SB/08.

A translation of non-English language information is enclosed or a concise explanation is set forth in the enclosed English language version of a search report citing such reference.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company). If this amount is insufficient or incorrect, please charge or credit the above-referenced Deposit Account.

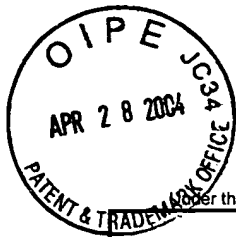
Respectfully submitted,

Tamera L. Fair

TAMERA L. FAIR
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Dated: April 26, 2004

Enclosures



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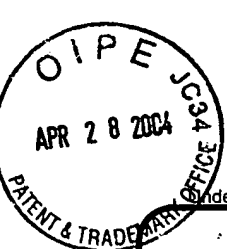
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10/758716
AD6950USNA
Information Disclosure Statement
PTO/SB/08 Forms (Substitute for PTO1449 and PTO1449A)
Fee Transmittal sheet
Receipt card
Cited Reference (2)

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

Complete if Known

Application Number	10/758716
Filing Date	January 16, 2004
First Named Inventor	Joy Sawyer Bloom Et. Al.
Examiner Name	unknown
Art Unit	1722
Attorney Docket No.	AD6950 US NA

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number: 04-1928
Deposit Account Name: E. I. du Pont de Nemours and Company

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims: -20** = X 18 =
Independent Claims: -3** = X 86 =
Multiple Dependent Claims: ☐ YES 290.00 =

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

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SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Tamera L. Fair	Registration No. (Attorney/Agent)	35,867	Telephone	(302) 892-7948
Signature	<i>Tamera L. Fair</i>	Date	April 26, 2004		

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/758716
Filing Date	January 16, 2004
First Named Inventor	JOY SAWYER BLOOM
Group Art Unit	1722
Examiner Name	unknown
Attorney Docket Number	AD6950USNA

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number -	Kind Code ² (if known)			
		US -	3662052	05-09-1972	Nowak, Bernard E. et.al.	
		US -	3974250	08-10-1976	Cottis, Steve G. et.al.	
		US -	4394498	07-19-1983	Kastelic, John R.	
		US -				
		US -	3991013	11-09-1976	Pletcher Terry Carl	
		US -	3991014	11-09-1976	Kleinschuster, Jacob John	
		US -	4011199	03-08-1977	McFarlane, Finley E. et.al.	
		US -	4048148	09-13-1977	Morgan, Paul Winthrop	
		US -	4075262	02-21-1978	Schaeffen, John Raymond	
		US -	4083829	04-11-1978	Calundann, Gordon W. et.al.	
		US -	4118372	10-03-1978	Schaeffen, John Raymond	
		US -	4122070	10-24-1978	Morgan, Paul Winthrop	
		US -	4130545	12-19-1978	Calundann, Gordon W.	
		US -	4153779	05-08-1979	Jackson, Jr., Winston J. et.al.	
		US -	4159365	06-26-1979	Payet, Charles R.	
		US -	4161470	07-17-1979	Calundann, Gordon W.	
		US -	4169933	10-02-1979	Jackson, Jr., Winston J. et.al.	
		US -	4184996	01-22-1980	Calundann, Gordon W.	
		US -	4189549	02-19-1980	Matsunaga, Hiroomi et.al.	
		US -	4219461	08-26-1980	Calundann, Gordon W.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		CountryCode ³	Number ⁴ Kind Code ⁵ (if known)				
			EP356226	02-28-1990	MITSUBISHI CHEMICAL CORP		<input type="checkbox"/>
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 3

Complete if Known

Application Number	10/758716
Filing Date	January 16, 2004
First Named Inventor	JOY SAWYER BLOOM
Group Art Unit	1722
Examiner Name	unknown
Attorney Docket Number	AD6950USNA

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number -	Kind Code ² (if known)			
		US -	4232143	11-04-1980	Irwin, Robert S.	
		US -	4232144	11-04-1980	Irwin, Robert S.	
		US -	4245082	01-13-1981	Irwin, Robert S.	
		US -	4256624	03-17-1981	Calundann, Gordon W.	
		US -	4269965	05-26-1981	Irwin, Robert S.	
		US -	4272625	06-09-1981	McIntyre, James E. et.al.	
		US -	4370466	01-25-1983	Siemionko, Roger K.	
		US -	4383105	05-10-1983	Irwin, Robert S.	
		US -	4447592	05-08-1984	Harris, Jr., John F.	
		US -	4522974	06-11-1985	Calundann, Gordon W. et.al.	
		US -	4617369	10-14-1986	Huynh-Ba, Gia	
		US -	4664972	05-12-1987	Connolly, Mark S.	
		US -	4684712	08-04-1987	Ueno, Ryuzo et.al.	
		US -	4727129	02-23-1988	Hisgen, Bernd et.al.	
		US -	4727131	02-23-1988	Kock, Hans-Jakob et.al.	
		US -	4728714	03-01-1988	Hisgen, Bernd et.al.	
		US -	4749769	06-07-1988	Kock, Hans-Jakob et.al.	
		US -	4762907	08-09-1988	Kock, Hans-Jakob	
		US -	4778927	10-18-1988	Kock, Hans-Jakob	
		US -	4816555	03-28-1989	Hlisen, Bernd et.al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
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Signature

Date
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Sheet 3 of 3

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First Named Inventor	JOY SAWYER BLOOM
Group Art Unit	1722
Examiner Name	unknown
Attorney Docket Number	AD6950USNA

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		Number - Kind Code ² (if known)				
		US - 4849499		07-18-1989	Fagerburg, David R. et.al.	
		US - 4851496		07-25-1989	Poll, Heinz-Guenter et.al.	
		US - 4851497		07-25-1989	Wakui, Tadahiro et.al.	
		US - 4857626		08-15-1989	Kishiro, Osamu et.al.	
		US - 4864013		09-05-1989	Kageyama, Yukihiko et.al.	
		US - 4868278		09-19-1989	MacDonald, William A. et.al.	
		US - 4882410		11-21-1989	Neugebauer, Wolfgang et.al.	
		US - 4923947		05-08-1990	Coassolo, Alfredo et.al.	
		US - 4999416		03-12-1991	Kaminade, Tadahiro et.al.	
		US - 5015721		05-14-1991	Gabrielli, Giorgio et.al.	
		US - 5015722		05-14-1991	Charbonneau, Larry F. et.al.	
		US - 5025082		06-18-1991	Kishiro, Osamu et.al.	
		US - 5086158		02-04-1992	Hayashi, Noriyuki et.al.	
		US - 5102935		04-07-1992	Heinz, Hans-Detlef et.al.	
		US - 5110896		05-05-1992	Waggoner, Marion G. et.al.	
		US - 5143956		09-01-1992	Pielartzik, Harald et.al.	
		US - 5710237		01-20-1998	Waggoner, Marion G. et.al.	
		US -				
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FOREIGN PATENT DOCUMENTS

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		CountryCode ³	Number ⁴ Kind Code ⁵ (if known)				
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STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/758716
Filing Date	January 16, 2004
First Named Inventor	JOY SAWYER BLOOM ET. AL.
Group Art Unit	1722
Examiner Name	unknown
Attorney Docket Number	AD6950USNA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Encyclopedia of Polymer Science & Engineering H. Mark et. al. Vol. 4 John Wiley & Sons NY 1986 p. 79-108	<input type="checkbox"/>
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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